

# STIC Search Report Biotech-Chem Library

#### STIC Database Tracking Number: 182283

TO: Minh-Tam Davis

Location: REM/3A24/3C18

Art Unit: 1642

Friday, March 17, 2006

Case Serial Number: 09/976858

From: Barb O'Bryen

**Location: Biotech-Chem Library** 

Remsen 1a69

Phone: 571-272-2518

BOB

barbara.obryen@uspto.gov

#### Search Notes

## RUSH



Îhlis Page Blank (uspto)

#### STIC-Biotech/ChemLib

From:

Chan, Christina

Sent:

Wednesday, March 15, 2006 2:28 PM

To:

Davis, Minh-Tam; STIC-Biotech/ChemLib

Subject:

RE: Rush search request for 09/976858

Please rush. Thanks Chris

#### Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644 (571)-272-0841 Remsen, 3E89

----Original Message-----

From:

Davis, Minh-Tam

Sent:

Wednesday, March 15, 2006 12:23 PM

To:

Chan, Christina

Subject:

Rush search request for 09/976858

Please search SEQ ID NO:41 of 09/976858 against the known PSA sequence, Acc No X05332, and M27274 (taken from US 6,551,778 B1).

Thank you.
MINH TAM DAVIS
ART UNIT 1642, ROOM 3A24,MB 3C18
272-0830

TIC

Searcher:
Searcher Phone:
Date Searcher Picked up:
Date completed:
Searcher Prep Time:
Online Time:

Type of Search

NA#\_\_\_\_\_ AA#:\_\_\_\_\_

S/L:\_\_\_\_ Oligomer:\_\_\_\_

Encode/Transl:\_\_\_\_

Structure #:\_\_\_\_Text:\_\_

Inventor:\_\_\_ Litigation:\_\_\_\_

\*\*\*\*\*\*

Vendors and cost where applicable STN:

DIALOG:
QUESTEL/ORBIT:
LEXIS/NEXIS:
SEQUENCE SYSTEM:
WWW/Internet:
Other (Specify):

This Page Blank (uspto)

# GenCore version 5.1.7 Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM nucleic - nucleic search, using sw model

Run 9 March 17, 2006, 12:18:57; Search time 9 Seconds (without alignments) 7.599 Million cell updates/sec

Title: Perfect score: ~US=09=976-858-41=COPY €

Sequence: 1 atgctgcccgtgtaccagga.... .ttttcgagacagcactgtga 3978

Scoring table: Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 8596 residues

Total number of hits satisfying chosen parameters:

4

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database psa.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

## ALIGNMENTS

17130	gource
. Location/Qualifiers	FEATURES
by A.Lundwall, 03-NOV-1989.	<b>5</b>
Draft entry and computer-readable sequence for [1] kindly submitted	0
R.Wydro), clones lambda-PSA.[24A,25A,25B].	מל
Original source text: Human peripheral leukocyte DNA, (library of	COMMENT
2472789	PUBMED 2
89302090	MEDLINE 8
Biochem. Biophys. Res. Commun. 161 (3), 1151-1159 (1989)	JOURNAL B
glandular kallikrein	9
Characterization of the gene for prostate-specific antigen, a human	TITLE C
Lundwall, A.	AUTHORS L
(bases 1 to 7130)	REFERENCE 1
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	3
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	ĸ
Homo sapiens	ORGANISM H
Homo sapiens (human)	SOURCE H
Alu repeat; kallikrein; prostate-specific antigen.	KEYWORDS A
M27274.1 GI:190552	VERSION M
27274 compressioner	ACCESSION (M
Human prostate specific antigen gene, complete cds.	DEFINITION H
HUMPSAA 7130 bp DNA linear PRI 08-JAN-1995	LOCUS H
	HUMPSAA/c
	RESULT 1

KEYWORDS SOURCE ORGANISM

Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 7130)

REFERENCE

DEFINITION ACCESSION VERSION

complete

antigen.

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RESULT 2
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Best Local Similarity 57.7%;
Matches 41; Conservative
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HUMPSAA 7130 bp DNA
Human prostate specific antigen gene, comp
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/note="PSA mRNA and introns"
join(675. .720,1959. .2118,3756. .4042,4186. .4322,5699.
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EPEEFLTPKKLQCVDLHVISNDVCAQVHPQKVTKFMLCAGRWTGGKSTCSGDSGGPLV
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note="prostate specific antigen; G00-119-695"
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Draft entry and computer-readable sequence for [1] kindly submitted by A.Lundwall, 03-NOV-1989.
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Blochem. Biophys. Res. Commun. 161 (3), 1151-1159 (1989)
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EPEEFLTPKKLQCVDLHVISNDVCAQVHPQKVTKFMLCAGRWTGGKSTCSGDSGGPLV
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DEFINITION

HSPSAR 1466 bp mRNA Human mRNA for prostate specific antigen.

linear

PRI

03-JUN-2003

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PUBMED
REFERENCE
AUTHORS
TITLE
JOURNAL
RESULT 4
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Data kindly reviewed (01-DEC-1987)
Location/Qualifiers
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Lundwall,A. and Lilja,H.
Molecular cloning of human prostate specific antigen cDNA FEBS Lett. 214 (2), 317-322 (1987)
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x05332.1 GI:35740 antigen; kallikrein-like protein; prostate
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Lunwall, A.
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clone_lib="(lambda)gt11"
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Pred. No. 0;
0; Mismatches
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SOURCE
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COMMENT
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AUTHORS
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Search completed: March 17, 2006, 12:19:07 Job time : 10 secs
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                                                                                         1368 TCAGCTTCCAGGGGGTCCAGTCCCTCTCCTTACTTCAT 1331
                                                                                                                                 1142 TCAGCATCCGAAGAATCCAGACCTTTTTGCTACTTGAT 1179
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Submitted (07-NOV-1989)
Data kindly reviewed (01-DEC-1987) by Lundwall A.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1415)
Lundwall, A. and Lilja, H.

Molecular cloning of human prostate specific antigen cDNA PEBS Lett. 214 (2), 317-322 (1987)
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(445. .1450
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    note="signal peptide (AA -17 to -1)"
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